

What is claimed is:

1. A method of transmitting data from a source to a destination, comprising:

receiving the data from the source; and

providing the data to the destination using a network, wherein the data is

5 acknowledged to the source as being successfully received at the destination prior to all  
of the data being provided to the network.

2. A method, according to claim 1, wherein the source is a primary storage device.

3. A method, according to claim 1, wherein the destination is a secondary storage device.

4. A method, according to claim 1, wherein the data is provided from the source in a first  
10 format and is provided to the network in a second format that is different from the first  
format.

5. A method, according to claim 4, wherein the first format is RDF format.

6. A method, according to claim 5, wherein the second format is TCP/IP.

7. A method, according to claim 5, wherein the second format is UDP.

15 8. A method, according to claim 1, further comprising:

the destination receiving the data is a first format different from a second format  
used to transmit the data over the network.

9. A method, according to claim 8, wherein the first format is RDF.

10. A method, according to claim 9, wherein the second format is TCP/IP.

11. A method, according to claim 9, wherein the second format is UDP.

12. A device that transmits data from a source to a destination, comprising:

5 means for receiving the data from the source; and

means for providing the data to the destination using a network, wherein the data is acknowledged to the source as being successfully received at the destination prior to all of the data being provided to the network.

13. A device, according to claim 12, wherein the source is a primary storage device.

10 14. A device, according to claim 12, wherein the destination is a secondary storage device.

15. A device, according to claim 12, wherein the data is provided from the source in a first format and is provided to the network in a second format that is different from the first format.

15 16. A device, according to claim 15, wherein the first format is RDF format.

17. A device, according to claim 16, wherein the second format is TCP/IP.

18. A device, according to claim 16, wherein the second format is UDP.

19. A device, according to claim 12, further comprising:

means for the destination receiving the data is a first format different from a second format used to transmit the data over the network.

5 20. A device, according to claim 19, wherein the first format is RDF.

21. A device, according to claim 20, wherein the second format is TCP/IP.

22. A device, according to claim 20, wherein the second format is UDP.

23. A computer program product that transmits data from a source to a destination, comprising:

10 executable code that receives the data from the source; and

executable code that provides the data to the destination using a network, wherein the data is acknowledged to the source as being successfully received at the destination prior to all of the data being provided to the network.

15 24. A computer program product, according to claim 23, wherein the source is a primary storage device.

25. A computer program product, according to claim 23, wherein the destination is a secondary storage device.

26. A computer program product, according to claim 23, wherein the data is provided to from the source in a first format and is provided to the network in a second format that is different from the first format.

5 27. A computer program product, according to claim 26, wherein the first format is RDF format.

28. A computer program product, according to claim 27, wherein the second format is TCP/IP.

29. A computer program product, according to claim 27, wherein the second format is UDP.

10 30. A method of transferring data from a first storage device to a second storage device, comprising:

synchronously transferring the data from the first storage device to a first buffer device;

15 asynchronously transferring the data from the first buffer device to a second buffer device; and

synchronously transferring the data from the second buffer device to the second storage device, wherein the first buffer device acknowledges successful transfer of the data to the first storage device prior to the first buffer device completing transfer of the data to the second buffer device.

31. The method of Claim 30, further comprising:

providing the data from the first buffer device to the second buffer device using a network.

32. The method of Claim 31, wherein the first buffer device acknowledges successful

5 transfer of the data to the first storage device prior to all of the data being provided to the network.

33. The method of Claim 31, wherein the data is provided from the first storage device in a first format and is provided to the network in a second format that is different from the first format.

10 34. The method of Claim 33, wherein the first format is RDF format.

35. The method of Claim 34, wherein the second format is TCP/IP.

36. The method of Claim 34, wherein the second format is UDP.

37. The method of Claim 31, wherein the second storage device receives the data in a first format different from a second format used to transmit the data over the network.

15 38. The method of Claim 37, wherein the first format is RDF.

39. The method of Claim 38, wherein the second format is TCP/IP.

40. The method of Claim 38, wherein the second format is UDP.

41. A device that transfers data from a first storage device to a second storage device, comprising:

means for synchronously transferring the data from the first storage device to a

5 first buffer device;

means for asynchronously transferring the data from the first buffer device to a second buffer device; and

means for synchronously transferring the data from the second buffer device to the second storage device, wherein the first buffer device acknowledges successful  
10 transfer of the data to the first storage device prior to the first buffer device completing transfer of the data to the second buffer device.

42. The device of Claim 41, further comprising:

means for providing the data from the first buffer device to the second buffer device using a network.

15 43. The device of Claim 42, wherein the first buffer device acknowledges successful transfer of the data to the first storage device prior to all of the data being provided to the network.

44. The device of Claim 42, wherein the data is provided from the first storage device in a first format and is provided to the network in a second format that is different from the  
20 first format.

45. The device of Claim 44, wherein the first format is RDF format.

46. The device of Claim 45, wherein the second format is TCP/IP.

47. The device of Claim 45, wherein the second format is UDP.

48. The device of Claim 42, wherein the second storage device receives the data in a first

5 format different from a second format used to transmit the data over the network.

49. The device of Claim 48, wherein the first format is RDF.

50. The device of Claim 49, wherein the second format is TCP/IP.

51. The device of Claim 49, wherein the second format is UDP.

52. A computer program product that transfers data from a first storage device to a second storage device, comprising:

executable code that synchronously transfers the data from the first storage device to a first buffer device;

5        executable code that asynchronously transfers the data from the first buffer device to a second buffer device; and

executable code that synchronously transfers the data from the second buffer device to the second storage device, wherein the first buffer device acknowledges successful transfer of the data to the first storage device prior to the first buffer device  
10        completing transfer of the data to the second buffer device.

53. The computer program product of Claim 52, further comprising:

executable code that provides the data from the first buffer device to the second buffer device using a network.

54. The computer program product of Claim 53, wherein the first buffer device

15        acknowledges successful transfer of the data to the first storage device prior to all of the data being provided to the network.

55. The computer program product of Claim 53, wherein the data is provided from the first storage device in a first format and is provided to the network in a second format that is different from the first format.

20        56. The computer program product of Claim 55, wherein the first format is RDF format.



57. The computer program product of Claim 56, wherein the second format is TCP/IP.

58. The computer program product of Claim 56, wherein the second format is UDP.

59. The computer program product of Claim 53, wherein the second storage device receives the data in a first format different from a second format used to transmit the data  
5 over the network.

60. The computer program product of Claim 59, wherein the first format is RDF.

61. The computer program product of Claim 60, wherein the second format is TCP/IP.

62. The computer program product of Claim 60, wherein the second format is UDP.